

[illegible]

Abstract of Disclosure

A method for decoding instructions in an execution package with a processor includes using an assembler to assemble instructions into different execution packages. Each instruction has an identification segment and an instruction segment. The method also includes using the assembler to reorder the instructions by separating identification segments from instruction segments, grouping all identification segments of the execution package together, and grouping all instruction segments of the execution package together. The method uses the processor to decode identification segments of the instructions at the same time, and adds a length of each identification segment together to calculate a total length of the execution package.

Figures